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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/986,352	11/08/2001	Chih-Peng Ma	089048-0253	5299

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EXAMINER

NGO, HUYEN LE

ART UNIT PAPER NUMBER

2871

DATE MAILED: 06/30/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/986,352

Applicant(s)

MA ET AL.

Examiner

Julie-Huyen L. Ngo

Art Unit

2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 November 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Specification

The specification is objected to because the abbreviated term "USB," in the line 19 of page 5, needs to be defined before any abbreviation is introduced.

Drawings

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, "*an engaging unit disposed on the engaging end of the supporting portion*," recited in 9-10 of claim 1, must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they fail to include the reference signs for "*the connecting end*" and "*an engaging unit*" mentioned throughout the specification and claims.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1- 4 are rejected under 35 U.S.C. 102(b) as being anticipated by Choi (US 5,715,137).

Choi discloses a liquid crystal display (figure 2) comprising:

(Claim 1)

- a liquid crystal display panel 100;
- a supporting portion 120 having a connecting end connected non-removably to the liquid crystal display panel, and an engaging end/bottom surface 128 opposite to the connecting end/concave top surface 127;
- a base 151 connected detachably to the engaging end of the supporting portion; and
- an engaging unit 190 disposed on the engaging end of the supporting portion and the base for providing a releasable engagement between the supporting portion and the base

(Claim 4)

- a positioning unit disposed on the engaging end of the supporting portion and the base for positioning the engaging end in the receiving recess.

Wherein

(Claim 2)

- the base has a top surface formed with a receiving recess for receiving the engaging end of the supporting portion therein

(Claim 3)

- the engaging unit includes a resilient engaging lug/a-shaped piece 191 formed on the engaging end of the supporting portion, and an engaging hole formed in the receiving recess of the base, the engaging lug being capable of engaging the engaging hole when the engaging end of the supporting portion is disposed in the receiving recess of the base.

(Claim 5)

- the positioning unit includes a vertically extending positioning groove/vertical pin 129 formed in the engaging end of the supporting portion, and a vertically extending positioning rib formed in the receiving recess, the positioning rib being capable of engaging the positioning groove when the engaging end of the supporting portion is disposed in the receiving recess of the base.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 6-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Choi as applied to claim 1 above and further obvious in view of Chang-Ho Cho (US 6268998

B1)

(Claim 6)

Although Choi does not specifically disclose that the liquid crystal display, as applied to claims 1-5 above, has an internal circuit mounted therein, it is conventional and well known in the art for a base/stand to have an internal circuit/PCB 23 mounted thereon as evidenced by Chang-Ho Choo (fig. 5)

wherein

(Claim 7)

- said internal circuit has an input port (figs. 3 and 5) adapted to receive an AC power input, and an output port to be coupled to said liquid crystal display panel, said internal circuit being adapted to convert the AC power input from said input port into a DC power input to be supplied to said liquid crystal display panel.

(Claim 8)

- said internal circuit has an audio signal input port adapted to receive an external audio signal, the base further having a loudspeaker 12 coupled electrically to said internal circuit, said internal circuit enabling said loudspeaker to reproduce the external audio signal from said audio signal input port.

(Claim 9)

- said internal circuit has an input port 5A (figs. 4 and 5) adapted to receive a control signal, said base 8 further having USB connector 22 mounted thereon and coupled electrically to said internal circuit, said internal circuit being adapted to transmit the control signal to said USB connector

Therefore, it would have been obvious for one of ordinary skill in the art at the time the invention was made to form a base having all the features recited in claims 6-9 as set forth above and taught by Cho in Choi LCD for performing the appropriate functions as set forth above for associating with the liquid crystal panel 100, as taught by Cho.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Yoshio et al. (US 4846536 A) disclose a LCD portable apparatus having an attachable case.

Hideki et al. (US 5867148 A) disclose a space-saving information processing apparatus.

Tae-Yong Kim (US 5870281 A) discloses a locking portable computer with detachable base.

Lin-Yang Chang (US 6050849A) discloses a stand having a housing adapted for supporting a liquid crystal display panel on a base, and a universal serial bus hub module mounted detachably on the housing.


Contact Information

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Julie-Huyen L. Ngo whose telephone number is (703) 305-3508. The Examiner can normally be reached on T-Friday.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's Supervisor, Mr. Robert H. Kim can be reached at (703) 305-3492.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

June 23, 2003



Julie Nguyen L. Ngo
Patent Examiner
Art Unit 2871